Oil temperature indicator

BWR-04B(TH□

URL:https://www.sxplc.com/oil-temperature-indicator-bwr-04b-th

Product data sheet

Bwr-04y transformer winding temperature controller is a special instrument designed for measuring and controlling the top oil temperature of large oil-immersed transformer and the winding temperature of transformer. It adopts "thermal simulation" method to measure the winding hot spot temperature indirectly and adopts the principle of "additional temperature rise".

The winding temperature is measured indirectly by the thermal simulation measurement method, and the output current value is adjusted by the rated current output of the transformer through the converter, so that the heating element in the thermostat generates the displacement, which is superposed in the indicating mechanism in the thermostat to produce the corresponding angular displacement, thus indicating the sum of the top oil temperature of the transformer and the winding temperature. At the same time, the control switch in the temperature controller is driven to output the switch signal, drive the cooling system, control the top oil temperature of the transformer and the temperature rise of the transformer winding.

Built-in precision potentiometer, can output resistance signal proportional to the range, and BWD-1Z02B transformer with electronic thermostat, can be used for remote display, and can be used for computer systems.

The product has good protective properties and can work normally in outdoor conditions all weather

2.1 Technical Specifications of BWR-04Y

2.1.1 Selection standard: People's Republic of China machinery industry standard JB8450;

2.1.2 Working conditions: ambient temperature (-40 ~ +55) ℃, relative humidity ≤95%;

2.1.3 Protection level: IP55;

2.1.4 Accuracy: Level 2.0;

2.1.5 Measuring range: (-20 ~ 160) ℃ Optional;

2.1.6 Output signal: 0~1KΩ resistance value;

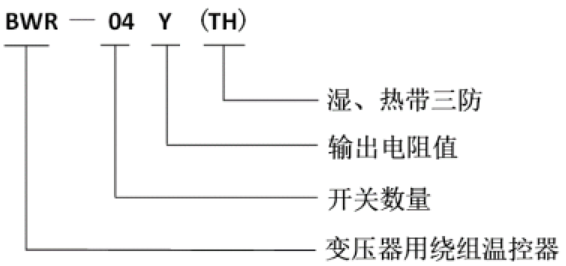
2.1.7 Switch operation error: ±2℃, switching difference (6±2) ℃;

2.1.8 Rated switching power: AC220V / 5A, DC220V/3A;

2.1.9 Each set of switches can be arbitrarily set within the full range.

2.1.10 The installation dimensions of the exterior are shown in Figure 2;

型号命名



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1 概述

BWR—04Y 变压器用绕组温控器是为测量和控制大型油浸式变压器顶层油温与变压器绕组温度，采用了“热模拟”方法来间接的测得绕组热点温度，采用了“附加温升”的原理而设计的专用仪表。

绕组温度是采用热模拟测量方法来间接地测得绕组热点温度，通过互感器输出的额定电流经变流器整定后输出电流值，使温控器内发热元件产生位移量，叠加在温控器内的指示机构，产生对应的角位移量，从而指示变压器顶层油温及绕组温度之和。同时驱动温控器内的控制开关输出开关信号，驱动冷却系统，控制变压器顶层油温及变压器绕组温升。

内置精密电位器，可输出与量程成正比的电阻信号，与 BWD-1Z02B 变压器用电子温控器配合使用，可进行远距离显示，并可供计算机系统使用。

该产品具有良好的防护性能，能在户外的条件下全天候正常工作